Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	173666	siemens\$.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:03
L2	0	l1 and balance near5 workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:03
L3	0	l1 and balance near5 work adj load	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:04
L4	226	l1 and synchronous\$5 near5 asynchronous\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:04
L5	8	l4 and balance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:05
L6	23	callaghan-robert\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:05
L7	0	MARKKU-KORPI\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:05
L8	41	KORPI\$-MARKKU.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:06
L9	3	CRIPE-JEFF.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:06

		LASI Searc		/		
L10	3	GROSBERG-MARK.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:06
L11	5	BUTCHER-KRISTIN.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:06
L12	2	GILBERT-LEROY.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:06
L13	1	HOWE-WYATT.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:07
L14	4	CROSS-KENTON.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON .	2006/07/24 08:07
L15	7	FIEREMANS-GEERT.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:21
L16	822	718/105.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:22
L17	928	719/310.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:22
L18	1849	719/311-315.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:22
L19	1397	719/316-318.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:22

L20	878	719/330-332.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:22
L21	9343	709/201-203.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:23
L22	1424	709/200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:23
L23	26940	709/217-230.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:23
L24	1652	718/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:23
L25	1167	718/104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:23
L26	822	718/105.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON .	2006/07/24 08:23
L27	652	718/107.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:23
L28	187	379/900.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON -	2006/07/24 08:24
L29	213	725/106.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:24

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L30	606	379/88.25.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:24
L31	161	455/554.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:24
L32	50	377/66.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:24
L33	212	370/298.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:24
L34	82	375/370.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:25
L35	40821	l16 or l17 or l18 or l19 or l20 or l21 or l22 or l23 or l24 or l25 or l26 or l27 or l28 or l29 or l30 or l31 or l32 or l33 or l34	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:25
L36	1075	l35 and (pbx or (private adj branch adj exchange))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:26
L37	238	I35 and balance near5 workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 08:26

	T	(10.6004006)			055	2004/04/22 42 43
S1	66	(US-6034996-\$ or US-5737337-\$ or US-5559611-\$ or US-6157464-\$ or US-6009159-\$ or US-5555100-\$ or US-6233333-\$ or US-5742675-\$ or US-6594827-\$ or US-6594255-\$ or US-657637-\$ or US-6560329-\$ or US-6556565-\$ or US-6542475-\$ or US-6529598-\$ or US-6510219-\$ or US-6452946-\$ or US-6421328-\$ or US-6349135-\$ or US-6330450-\$ or US-6330316-\$ or US-6285750-\$ or US-6330316-\$ or US-6230021-\$ or US-6141345-\$ or US-6097968-\$). did. or (US-6078821-\$ or US-6044108-\$ or US-6097806-\$ or US-5912882-\$ or US-5991389-\$ or US-5912950-\$ or US-5991389-\$ or US-5912950-\$ or US-5862211-\$ or US-5862207-\$ or US-5862211-\$ or US-5862207-\$ or US-5809430-\$ or US-5790527-\$ or US-5787355-\$ or US-5790527-\$ or US-5787355-\$ or US-5699413-\$ or US-5748610-\$ or US-5699413-\$ or US-5675577-\$ or US-5699413-\$ or US-5499397-\$ or US-5463672-\$ or US-5493402-\$ or US-5392331-\$ or US-5463622-\$ or US-5280472-\$ or US-5363426-\$ or US-529558-\$ or US-6493402-\$ or US-6370669-\$ or US-6493402-\$ or US-6370669-\$ or US-6487290-\$ or US-6353627-\$ or US-6487290-\$ or US-6353627-\$ or US-6487290-\$ or US-6252947-\$ or US-6487290-\$ or US-6252947-\$ or US-5828881-\$).	USPAT	OR	OFF	2004/01/20 18:15
		did.				
S2	0	S1 and ((dispatch\$3 or register\$3 or rout\$3) near5 (message near2 type))	USPAT	OR	ON	2004/01/20 18:45
S3	15	S1 and ((dispatch\$3 or register\$3 or rout\$3) near5 (message))	USPAT	OR	ON	2004/01/20 18:19
S4	0	((dispatch) near5 (message adj2 type)) and PBX and synchronous\$3 and asynchronous\$3	USPAT	OR	ON	2004/01/20 18:21
S5	6	((dispatch\$3) near5 (message adj2 type)) and PBX and synchronous\$3 and asynchronous\$3	USPAT	OR	ON	2004/01/20 18:28
S6	19	((dispatch\$3 or register\$3 or rout\$3) near5 (message adj2 type)) and PBX and synchronous\$3 and asynchronous\$3	USPAT	OR	ON	2004/01/20 18:30

S7	18	((dispatcher or registering or routing) near5 (message adj2 type)) and PBX and synchronous\$3 and asynchronous\$3	USPAT	OR	ON	2004/01/20 18:30
S8	6	((dispatcher) near5 (message adj2 type)) and PBX and synchronous\$3 and asynchronous\$3	USPAT	OR	ON	2004/01/20 18:31
S9	8	((dispatcher) near5 (message adj2 type)) and synchronous\$3 and asynchronous\$3	USPAT	OR	ÓΝ	2004/01/20 18:31
S10	6	((dispatcher) near5 (message adj2 type)) and PBX	USPAT	OR	ON	2004/01/20 18:40
S11	6	((dispatcher) near5 (message near2 type)) and PBX	USPAT	OR	ON	2004/01/20 18:42
S12	11	((dispatcher) near5 (message near2 type))	USPAT	OR	ON	2004/01/20 18:42
S13	6	((registering) near5 (message near2 type))	USPAT	OR	ON	2004/01/20 18:44
S14	140	((routing) near5 (message near2 type))	USPAT	OR	ON	2004/01/20 18:44
S15	1	((routing) near5 (message near2 type)) same register\$3	USPAT	OR	ON	2004/01/20 18:44
S16	15	S1 and ((dispatch\$3 or register\$3 or rout\$3) near5 (message))	USPAT	OR	ON	2004/01/20 18:47
S17	5	S1 and ((dispatch\$3 or register\$3) near5 (message))	USPAT	OR	ON	2004/01/20 18:48
S18	194	((dispatch\$3 or register\$3) near5 (message near2 type))	USPAT	OR	ON	2004/01/20 18:49
S19	17	((dispatcher or registering) near5 (message near2 type))	USPAT	OR	ON	2004/01/20 19:15
S20	0	transmit same ((registering) near5 (message near2 type))	USPAT	OR	ON	2004/01/20 19:05
S21	7	transmit same ((register\$2) near5 (message near2 type))	USPAT	OR	ON	2004/01/20 19:06
S22	37	transmit\$3 same ((register\$2) near5 (message near2 type))	USPAT	OR	ON	2004/01/20 19:09
S23	0	S22 and PBD	USPAT	OR	ON	2004/01/20 19:09
S24	0	S22 and PBX	USPAT	OR	ON	2004/01/20 19:09
S25	63	((distribut\$3) near5 (message near2 type))	USPAT	OR	ON	2004/01/20 19:15
S26	3	((distribut\$3) near5 (message near2 type)) and PBX	USPAT	OR	ON	2004/01/20 19:46
S27	50208	call adj processing ajd subsystem	USPAT	OR	ON	2004/01/20 19:46
S28	29	call adj processing adj subsystem	USPAT	OR	ON	2004/01/20 20:34

S29	0	S28 same (register\$3)	USPAT	OR	ON	2004/01/20 19:50
S30	0	S28 same (dispatc\$3)	USPAT	OR	ON	2004/01/20 19:50
S31	0	S28 same (dispatch\$3)	USPAT	OR	ON	2004/01/20 19:50
S32	1	S28 same (transmit\$5)	USPAT	OR	ON	2004/01/20 19:52
S33	2	device adj handler adj subsystem	USPAT	OR	ON	2004/01/20 19:52
S34	384	device adj handler	USPAT	OR	ON	2004/01/20 20:37
S35	26	S34 and PBX	USPAT	OR	ON	2004/01/20 19:52
S36	18	S35 and register\$3	USPAT	OR	ON	2004/01/20 20:36
S37	1	S34 same (message adj type)	USPAT	OR	ON	2004/01/20 21:38
S38	9	(device adj handler) near5 register\$3	USPAT	OR	ON	2004/01/20 20:26
S39	6	S28 and PBX	USPAT	OR	ON	2004/01/20 20:34
S40	1	(register\$3 same (device adj handler)) and PBX	USPAT	OR	ON	2004/01/20 20:37
S41	1	(list\$3 same (device adj handler)) and PBX	USPAT	OR	ON	2004/01/20 20:37
S42	1	("6560329").PN.	USPAT; USOCR	OR	OFF	2004/01/20 22:21
S43	754	transmit\$3 and asynchronous and synchronous and priority and (message near3 type)	USPAT	OR	OFF	2004/01/20 22:23
S44	270	dispatch\$3 and asynchronous and synchronous and priority and (message near3 type)	USPAT	OR	OFF	2004/01/20 22:24
S45	5	dispatch\$3 and asynchronous and synchronous and priority and (message near3 type near3 name)	USPAT	OR	OFF	2004/01/20 22:47
S46	1	("6335927").PN.	USPAT; USOCR	OR	OFF	2004/01/20 22:47
S47	1	S46 and (message near3 type near3 name)	USPAT	OR	OFF	2004/01/20 22:47
S48	1	S46 and (message same type same name)	USPAT	OR	OFF	2004/01/20 22:47
S49	86	network and switch and PSTN and TIS and "T1"	USPAT; EPO; JPO	OR	ON	2003/07/23 17:49
S50	28	(network and switch and PSTN and TIS and "T1") and (dispatch\$3 or pars\$3)	USPAT; EPO; JPO	OR	ON	2003/07/21 14:23
S51	16	((network and switch and PSTN and TIS and "T1") and (dispatch\$3 or pars\$3)) and queue	USPAT; EPO; JPO	OR	ON	2003/07/21 12:21

S52	19	((network and switch and PSTN and TIS and "T1") and (dispatch\$3 or pars\$3)) and list	USPAT; EPO; JPO	OR	ON	2003/07/21 14:12
S53	72	(network and switch and PSTN and TIS and "T1") and (dispatch\$3 or pars\$3 or controller)	USPAT; EPO; JPO	OR	ON	2003/07/23 17:51
S54	1399	network and PSTN and PBX	USPAT; EPO; JPO	ÓR	ON	2003/07/23 17:50
S55	231	(network and PSTN and PBX) and queue and list	USPAT; EPO; JPO	OR	ON	2003/07/23 18:11
S56	186	((network and PSTN and PBX) and queue and list) and (dispatch\$3 or pars\$3 or controller)	USPAT; EPO; JPO	OR	ON	2003/07/23 18:02
S57	131	(((network and PSTN and PBX) and queue and list) and (dispatch\$3 or pars\$3 or controller)) and priorit\$3	USPAT	OR	OFF	2003/07/23 17:54
S58	94	((((network and PSTN and PBX) and queue and list) and (dispatch\$3 or pars\$3 or controller)) and priorit\$3) and server	USPAT	OR	ON	2003/07/23 17:55
S59	73	((((network and PSTN and PBX) and queue and list) and (dispatch\$3 or pars\$3 or controller)) and priorit\$3) and synchronous\$2	USPAT	OR	ON	2003/07/23 17:55
S60	3	callaghan-robert\$.in.	USPAT	OR	ON	2003/07/23 17:56
S61	3	cripe-jeff\$.in.	USPAT	OR	ON	2003/07/23 17:57
S62	0	cross-kenton.in.	USPAT	OR	ON	2003/07/23 17:58
S63	0	cross-kenton\$.in.	USPAT	OR	ON	2003/07/23 17:58
S64	10	korpi-markku.in.	USPAT	OR ·	ON	2003/07/23 17:58
S65	2	korpi-markku.in. and network and list	USPAT	OR	ON	2003/07/23 17:59
S66	71	(((((network and PSTN and PBX) and queue and list) and (dispatch\$3 or pars\$3 or controller)) and priorit\$3) and synchronous\$2) and asynchronous\$2	USPAT	OR	ON	2003/07/23 18:00
S67	16	((network and PSTN and PBX) and queue) and (dispatch\$2 near5 message)	USPAT; EPO; JPO	OR	ON	2003/07/23 18:13
S68	363	(network and PSTN and PBX) and queue	USPAT; EPO; JPO	OR	ON	2003/07/23 18:13
S69	757	PSTN same PBX	USPAT	OR	ON	2003/07/23 18:17
S70	756	PSTN same PBX	USPAT	OR	OFF	2003/07/23 18:18
S71	207	(PSTN same PBX) and queue	USPAT	OR	ON	2003/07/23 18:18

S72	110	PSTN same PBX same (dispatch\$3 or pars\$3 or controller or controllers)	USPAT .	OR	OFF	2003/07/23 18:19
S73	3162	((dispatch\$3 or pars\$3 or controller or controllers) near5 (list or listing))	USPAT	OR	OFF	2003/07/25 12:23
S74	337	((dispatch\$3) near5 (list or listing))	USPAT	OR	OFF	2003/07/25 12:17
S75	126	(((dispatch\$3) near5 (list or listing))) and network and switch	USPAT	OR	OFF	2003/07/25 11:58
S76	137	(((dispatch\$3) near5 (list or listing))) and network and switch	USPAT	OR	ON	2003/07/25 11:58
S77	43	((((dispatch\$3) near5 (list or listing))) and network and switch) and synchronous\$2	USPAT	OR	ON	2003/07/25 11:59
S78	43	(((((dispatch\$3) near5 (list or listing))) and network and switch) and synchronous\$2) and (channel or queue)	USPAT	OR	ON	2003/07/25 11:59
S79	41	(((((dispatch\$3) near5 (list or listing))) and network and switch) and synchronous\$2) and order	USPAT	OR	ON	2003/07/25 11:59
S80	35	(((((dispatch\$3) near5 (list or listing))) and network and switch) and synchronous\$2) and priority	USPAT	OR	ON	2003/07/25 12:16
S81	1136	((dispatch\$3 or pars\$3) near5 (list or listing))	USPAT	OR	ON	2003/07/25 12:24
S82	2	(((dispatch\$3 or pars\$3) near5 (list or listing))) and (list same unique adj integer)	USPAT	OR	ON	2003/07/25 12:34
S83	33	(((dispatch\$3 or pars\$3) near5 (list or listing))) and (list same unique adj identifier)	USPAT	OR	ON	2003/07/25 12:26
S84	23	((((dispatch\$3 or pars\$3) near5 (list or listing))) and (list same unique adj identifier)) and (list near5 (name or type or value))	USPAT	OR	ON	2003/07/25 12:30
S85	8	(((((dispatch\$3 or pars\$3) near5 (list or listing))) and (list same unique adj identifier)) and (list near5 (name or type or value))) and synchronous\$2	USPAT	OR	ON	2003/07/25 12:30
S86	5	(((((dispatch\$3 or pars\$3) near5 (list or listing))) and (list same unique adj identifier)) and (list near5 (name or type or value))) and synchronous\$2 and asynchronous\$2	USPAT	OR	ON	2003/07/25 12:33

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S87	405	synchronous\$2 and asynchronous\$2 and ((dispatch\$3 or pars\$3) same (list or listing))	USPAT	OR	ON	2003/07/25 13:04
S88	21	(synchronous\$2 and asynchronous\$2 and ((dispatch\$3 or pars\$3) same (list or listing))) and (list same (unique adj2 (integer or identifier)))	USPAT	OR	ON	2003/07/25 12:34
589	21	((US-6252946-\$ or US-6249570-\$ or US-6246752-\$ or US-6377993-\$ or US-6401085-\$ or US-6477150-\$ or US-6535855-\$ or US-6484176-\$ or US-4525780-\$ or US-6199099-\$ or US-6199068-\$ or US-6181992-\$ or US-6088659-\$ or US-5608720-\$ or US-5596750-\$ or US-5574903-\$ or US-6252947-\$ or US-5541840-\$ or US-5515492-\$ or US-6356905-\$ or US-4829445-\$).did.) and ((dispatch\$3 or pars\$3) same (list or listing))	USPAT	OR	ON	2003/07/25 13:03
S90	14	synchronous\$2 and asynchronous\$2 and (queue or channel) and order and ((dispatch\$3 or pars\$3) same (list or listing) same unique)	USPAT	OR	ON	2003/07/25 14:22
S91	14	((US-6088693-\$ or US-5920873-\$ or US-5826265-\$ or US-6360243-\$ or US-6377993-\$ or US-6430593-\$ or US-6477566-\$ or US-6477150-\$ or US-5822556-\$ or US-4829445-\$ or US-4750135-\$ or US-4280060-\$ or US-6094654-\$ or US-6128672-\$). did.) and ((dispatch\$3 or pars\$3) same (list or listing) same unique)	USPAT	OR	ON	2003/07/25 13:24

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S92	7	((US-5280472-\$ or US-5363426-\$ or US-5392331-\$ or US-5442622-\$ or US-5461627-\$ or US-5463672-\$ or US-6330450-\$ or US-6330316-\$ or US-6349135-\$ or US-6307849-\$ or US-6034996-\$ or US-5907563-\$ or US-6034996-\$ or US-6370669-\$ or US-6549288-\$ or US-6477669-\$ or US-6529558-\$ or US-6594255-\$ or US-657637-\$ or US-657637-\$ or US-657637-\$ or US-657637-\$ or US-6594255-\$ or US-6487290-\$ or US-6522947-\$). did. or (US-6233333-\$ or US-6157464-\$ or US-5898683-\$ or US-6510219-\$ or US-6529598-\$ or US-6510219-\$ or US-6035203-\$ or US-6044108-\$ or US-6078821-\$ or US-6044108-\$ or US-6233450-\$ or US-6230021-\$ or US-6233450-\$ or US-6285750-\$ or US-6233450-\$ or US-5161181-\$ or US-5276727-\$ or US-5530704-\$ or US-5778075-\$ or US-5787355-\$). did. or (US-5790527-\$ or US-5599430-\$ or US-5787355-\$). did. or (US-5790527-\$ or US-553627-\$ or US-5862207-\$ or US-5912882-\$ or US-5862211-\$ or US-5912882-\$ or US-5862211-\$ or US-5559611-\$ or US-5555100-\$ or US-6363109-\$ or US-5694827-\$). did.) and ((dispatch\$3 or pars\$3) same (list or listing))	USPAT	OR	ON	2003/07/25 13:38
S93	121	(queue or channel) and order and ((dispatch\$3 or pars\$3) same (list or listing) same unique)	USPAT	OR	ON	2003/07/25 14:31
S94	1697	(queue or channel) and order and ((dispatch\$3 or pars\$3) same (list or listing))	USPAT	OR	ON	2003/07/25 14:33
S95	1286	((queue or channel) and order and ((dispatch\$3 or pars\$3) same (list or listing))) and network	USPAT	OR	ON	2003/07/25 14:32
S96	1286	network and (queue or channel) and order and ((dispatch\$3 or pars\$3) same (list or listing))	USPAT	OR	ON	2003/07/25 14:34
S97	314	(network and (queue or channel) and order and ((dispatch\$3 or pars\$3) same (list or listing))) and ((list or listing) near5 identif\$4)	USPAT	OR	ON	2003/07/25 14:35

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S14 9	0	dispatcher near5 dynamic\$5 and balance near5 workload near5 network	USPAT	OR	ON	2005/05/24 13:01
S15 0	0	dispatcher near5 dynamic\$5 and (balance near5 workload near5 network)	USPAT	OR	ON	2005/05/24 13:05
S15 1	58	dispatcher near5 dynamic\$5	USPAT	OR	ON	2005/05/24 13:02
S15 2	0	S151 and PB	USPAT	OR	ON	2005/05/24 13:02
S15 3	0	S151 and PBx	USPAT	OR -	ON	2005/05/24 13:02
S15 4	5	S151 and workload	USPAT	OR	ON	2005/05/24 13:02
S15 5	0	dynamic\$5 same workload same PBx	USPAT	OR	ON	2005/05/24 13:05
S15	21	dynamic\$5 same workload and PBx	USPAT	OR	ON	2005/05/24 13:06
S15 7	34	dynamic\$5 near5 feature and workload and PBx	USPAT	OR	ON	2005/05/24 13:53
S15 8	1	("6,335,927").PN.	USPAT	OR	OFF	2005/05/24 13:53
S15 9	888	telephony and internet near server	USPAT	OR	ON	2006/07/17 17:50
S16 0	2025	telephony and internet near server	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 17:50
S16 1	2	S160 and dispatch\$5 same (PBX or private adj branch adj exchange)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 17:57
S16 2	0	internet near5 dispatch\$5 near5 (PBX or private adj branch adj exchange)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 17:59
S16 3	0	internet near5 pars\$5 near5 (PBX or private adj branch adj exchange)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 17:59

S16 4	31	dispatch\$5 near5 (PBX or private adj branch adj exchange)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 18:04
S16 5	15	telephony adj internet adj server	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 18:05
S16 6	4	telephony adj internet adj server and register\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 18:10
S16 7	1645	"G.711"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 18:10
S16 8	388	"G.711" same channel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 18:11
S16 9	41	S168 and internet same PBX	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:03
S17 0	35	synchronous\$5 near5 asynchronous\$5 near5 dispatcher	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:05
S17 1	1	S170 and pbx	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:03

		LASI Seal	::: ::::5 : 0: }	/		
S17 2	643	synchronous\$5 near5 asynchronous\$5 near5 message	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:05
S17 3	92	synchronous\$5 near5 asynchronous\$5 near5 message near5 both	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:05
S17 4	41	S173 and telephony	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 15:53
S17 5	1	("6446127").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/18 16:00
S17 6	1	balance adj system adj workload same server	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:01
S17 7	. 1	balance adj system adj workload same telephony	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:02
S17 8	0	balance adj system adj workload near10 telephony	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:02
S17 9	0	balance adj workload near system near10 telephony	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:02
S18 0	0	balance adj work adj load near system near10 telephony	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON .	2006/07/18 16:02
S18 1	13	balance adj workload near system	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:02

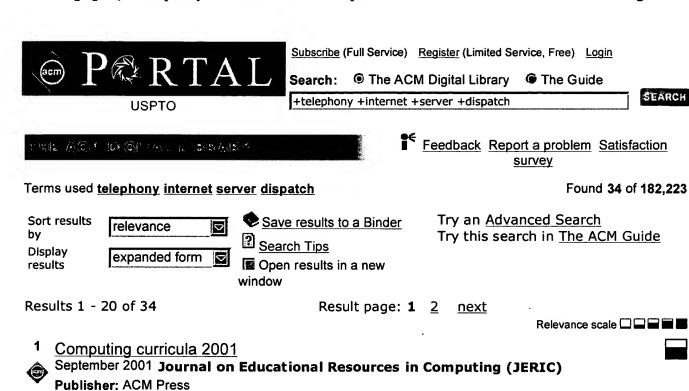
S18 2	4	balance adj system adj workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:20
S18 3		balance near2 workload same PBX same internet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:10
S18 4	1	balance near2 workload same PBX and internet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 16:10
S18 5	1	("5878130").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/20 12:40
S18 6	4	balance adj system adj workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:11
S18 7	2003	synchronous\$5 near5 asynchronous\$5 near5 both	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:12
S18 8	97	synchronous\$5 near5 asynchronous\$5 near5 both near5 message	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:13
S18 9	11	synchronous\$5 near5 asynchronous\$5 near5 both near5 message near5 send\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:12
S19 0	34	synchronous\$5 near5 asynchronous\$5 near5 both near5 message and PBX	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:13
S19 1	33	synchronous\$5 near5 asynchronous\$5 near5 both near5 message and PBX and internet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:15

S19 2	32	synchronous\$5 near2 asynchronous\$5 near2 both near2 message and PBX and internet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:18
S19 3	73	synchronous\$5 near2 asynchronous\$5 near2 both near2 message	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:15
S19 4	63	S193 and call	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:16
S19 5	10	S193 not S194	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:17
S19 6	55	synchronous\$5 near2 asynchronous\$5 near2 both near2 message and telephone	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:18
S19 7	. 40	synchronous\$5 near2 asynchronous\$5 near2 both near2 message and telephone near2 call	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 13:22
S19 8	1	("20030058277").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/20 13:22
S19 9	1	S198 and balancing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:32
S20 0	0	S198 and (thread same balancing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:32
S20 1	0	S198 and (thread same message)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:32

S20 2	0	message adj threads same balance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:33
S20 3	0	message adj thread and balance near workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:33
S20 4		message near thread and balance near workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON .	2006/07/20 15:33
S20 5	2	message near2 thread and balance near workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:34
S20 6	39	send\$3 near3 message near2 thread and workload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:39
S20 7	9	balance near5 (workload\$3 or work adj loading) near5 thread	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:42
S20 8	2	balance near5 (workload\$3 or work adj loading) same message same thread	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:43
S20 9	0	balance near5 (workload\$3 or work adj loading) same (multi adj thread\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:43
S21 0	56	balance near5 (workload\$3 or work adj loading) and(multi adj thread\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:56
S21 1	56	balance near5 (workload\$3 or work adj loading) and (multi adj thread\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 15:43

00:	_	Loado	1.10 -05::=			2006/07/25 12 25
S21 2	0	S210 and PBX	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:02
S21 3	0	dispatcher near5 unaware near5 content	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:11
S21 4	0	dispatcher near5 unaware near5 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR.	ON	2006/07/20 18:11
S21 5	5	unaware near5 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:13
S21 6	6	unaware near8 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:13
S21 7		dispatcher near5 unaware	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:14
S21 8	0	sender near5 unaware near5 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:14
S21 9	0	pars\$5 near5 unaware near5 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:14
S22 0	0	districut\$5 near5 unaware near5 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:14
S22 1	0	distribut\$5 near5 unaware near5 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:14

S22 2	1	unaware near payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:15
S22 3	2	unaware near2 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:15
S22 4	3	unaware near3 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:15
S22 5	. 3	unaware near4 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 18:15
S22 6	5	unaware near5 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON .	2006/07/24 08:02



2 Web Performance Optimization: Cluster-based online monitoring system of web



Yun Mao, Kang Chen, Dongsheng Wang, Weimin Zheng

November 2001 Proceedings of the 3rd international workshop on Web information and data management

Additional Information: full citation, references, citings, index terms

Publisher: ACM Press

Full text available: pdf(613.63 KB)

1 html(2.78 KB)

Full text available: pdf(453.72 KB) Additional Information: full citation, abstract, references, index terms

Web traffic has been increasing and evolving rapidly in recent years. It is important to measure the volume and characteristic of such dominant traffic to understand large-scale user access pattern and analyze performance of Web applications. Among the common methods of Web measurements, the passive way using packet monitoring is more advantageous since it provides comprehensive information and is transparent to endusers. However, the throughput of current packet monitoring system is limited by ...

3 A composable framework for secure multi-modal access to internet services from Post-PC devices

Steven J. Ross, Jason L. Hill, Michael Y. Chen, Anthony D. Joseph, David E. Culler, Eric A. Brewer

October 2002 Mobile Networks and Applications, Volume 7 Issue 5

Publisher: Kluwer Academic Publishers

Full text available: pdf(340.33 KB)

Additional Information: full citation, abstract, references, index terms, review

The Post-PC revolution is bringing information access to a wide range of devices beyond the desktop, such as public kiosks, and mobile devices like cellular telephones, PDAs, and voice based vehicle telematics. However, existing deployed Internet services are geared toward the secure rich interface of private desktop computers. We propose the use of an infrastructure-based secure proxy architecture to bridge the gap between the capabilities of Post-PC devices and the requirements of Internet ser ...

Keywords: internet, middleware, post-PC, security, transcoding

Experiences with network-based user agents for mobile applications Thomas F. La Porta, Thomas Woo, Krishan K. Sabnani, Ramachandran Ramjee August 1998 Mobile Networks and Applications, Volume 3 Issue 2

Publisher: Kluwer Academic Publishers

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(631.57 KB) terms

Wireless networks are characterized by simple end devices and limited bandwidth. One solution to address these and other limitations of the wireless mobile environment that has been widely pursued is the placement of proxies, or agents, inside the network to assist with application processing that would normally take place on end devices. These agents can additionally manipulate data to reduce bandwidth requirements and assist in providing services. The design and implementation of a user a ...

Integrating notification services in computer network and mobile telephony



Vittorio Ghini, Giovanni Pau, Paola Salomoni

March 2000 Proceedings of the 2000 ACM symposium on Applied computing - Volume

Publisher: ACM Press

Full text available: 🔂 pdf(546.77 KB) Additional Information: full citation, references, citings, index terms

Keywords: integration of mobile and stationary systems, mobile applications and services, personal communications

Applications: Digital media and entertainment service delivery platform



Christopher J. Pavlovski, Quentin Staes-Polet

November 2005 Proceedings of the first ACM international workshop on Multimedia service composition MSC '05

Publisher: ACM Press

Full text available: pdf(415.65 KB) Additional Information: full citation, abstract, references, index terms

The emergence of broadband networks, for mobile and fixed environments, has stimulated the multimedia market for the delivery of enriched digital media and entertainment services. A key problem for institutions attempting to capitalize on these new channels for service delivery is a capability to deploy many multimedia services rapidly and cost effectively. The naïve technique is to deploy such solutions independently as so called point solutions. The strategic approach is the development o ...

Keywords: IP multimedia systems, digital media, reference architecture, service delivery platform, tripleplay, web service gateway

Tools for building asynchronous servers to support speech and audio applications



Barry Arons

December 1992 Proceedings of the 5th annual ACM symposium on User interface software and technology

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(946.22 KB) terms

Distributed client/server models are becoming increasingly prevalent in multimedia systems and advanced user interface design. A multimedia application, for example, may play and record audio, use speech recognition input, and use a window system for graphical I/O. The software architecture of such a system can be simplified if the application communicates to multiple servers (e.g., audio servers, recognition servers) that each manage different types of input and output. This paper describe ...

Keywords: asynchronous message passing, audio servers, distributed client-server architecture, remote procedure call, speech and studio applications, speech recognition and synthesis

8 Frameworks for component-based client/server computing

Scott M. Lewandowski

March 1998 ACM Computing Surveys (CSUR), Volume 30 Issue 1

Publisher: ACM Press

Full text available: pdf(243.81 KB) Additional Information: full citation, references, citings, index terms

9 A decision support system for tuning Web servers in distributed object oriented

network architectures

R. D. van der Mei, W. K. Ehrlich, P. K. Reeser, J. P. Francisco

March 2000 ACM SIGMETRICS Performance Evaluation Review, Volume 27 Issue 4

Publisher: ACM Press

Full text available: 🔂 pdf(648.79 KB) Additional Information: full citation, abstract, citings, index terms

Web technologies are currently being employed to provide end user interfaces in diverse computing environments. The core element of these Web solutions is a Web server that is based on the Hypertext Transfer Protocol (HTTP) running over TCP/IP. Web servers are required to respond to millions of transaction requests per day at an "acceptable" Quality of Service (QoS) level with respect to the end-to-end response time and the server throughput. In many applications, the server performs significant ...

Keywords: Decision Support System, HTTP, Web server, World Wide Web, architecture, computing, configuration tuning, distributed, httpd, object-oriented, performance

10 Columns: Risks to the public in computers and related systems

Peter G. Neumann

January 2001 ACM SIGSOFT Software Engineering Notes, Volume 26 Issue 1

Publisher: ACM Press

Full text available: pdf(3.24 MB) Additional Information: full citation

11 Software engineering for mobility: a roadmap

Gruia-Catalin Roman, Gian Pietro Picco, Amy L. Murphy May 2000 Proceedings of the Conference on The Future of Software Engineering

Publisher: ACM Press

Full text available: pdf(2.07 MB) Additional Information: full citation, references, citings, index terms

12 Towards an active network architecture David L. Tennenhouse, David J. Wetherall



April 1996 ACM SIGCOMM Computer Communication Review, Volume 26 Issue 2

Publisher: ACM Press

Full text available: pdf(1.58 MB) Additional Information: full citation, abstract, citings, index terms

Active networks allow their users to inject customized programs into the nodes of the network. An extreme case, in which we are most interested, replaces packets with "capsules" - program fragments that are executed at each network router/switch they traverse. Active architectures permit a massive increase in the sophistication of the computation that is performed within the network. They will enable new applications, especially those based on application-specific multicast, information fusion, a ...

13 Mobile applications: Impromptu: managing networked audio applications for mobile



Chris Schmandt, Kwan Hong Lee, Jang Kim, Mark Ackerman

June 2004 Proceedings of the 2nd international conference on Mobile systems, applications, and services MobiSys '04

Publisher: ACM Press

Full text available: pdf(240.36 KB) Additional Information: full citation, abstract, references, index terms

This paper discusses the software architecture of Impromptu, a mobile IP-based audio computing platform, with an associated set of network-based applications and services. Impromptu merges the communication properties and universal mobility of the telephone with the multi-tasking and open protocol world of the handheld PC. Its supporting architecture handles multiple streaming audio applications, provides speech services for consistent audio user interfaces across applications, and enables user ...

Keywords: WiFi, architecture, audio applications, audio interface, mobility, multi tasking, speech interface, telephony, voice over IP

14 A middleware toolkit for client-initiated service specialization



Greg Eisenhauer, Fabián E. Bustamante, Karsten Schwan

April 2001 ACM SIGOPS Operating Systems Review, Volume 35 Issue 2

Publisher: ACM Press

Full text available: pdf(1.29 MB) Additional Information: full citation, abstract, index terms

As the Internet matures, streaming data services are taking an increasingly important place alongside traditional HTTP transactions. The need to dynamically adjust the delivery of such services to changes in available network and processing resources has spawned substantial research on application-specific methods for dynamic adaptation, including video and audio streaming applications. Such adaptation techniques are well developed, but they are also highly specialized, with the client (receiver ...

¹⁵ Mobile computing in next generation wireless networks



Prathima Agrawal, David Famolari

August 1999 Proceedings of the 3rd international workshop on Discrete algorithms and methods for mobile computing and communications

Publisher: ACM Press

Full text available: pdf(1.01 MB) Additional Information: full citation, references, citings, index terms

Keywords: IMT-2000, cdma2000, mobile computing, wireless data

16

Invited papers on the frontiers of software practice: Patterns, frameworks, and

middleware: their synergistic relationships

Douglas C. Schmidt, Frank Buschmann

May 2003 Proceedings of the 25th International Conference on Software **Engineering**

Publisher: IEEE Computer Society

Full text available: pdf(1.58 MB) Additional Information: full citation, abstract, references, citings, index Publisher Site

The knowledge required to develop complex software has historically existed in programming folklore, the heads of experienced developers, or buried deep in the code. These locations are not ideal since the effort required to capture and evolve this knowledge is expensive, time-consuming, and error-prone. Many popular software modeling methods and tools address certain aspects of these problems by documenting how a system is designed. However, they only support limited portions of software ...

17 In-service QoS monitoring of real-time applications using SM MIB

Yong-Hoon Choi, Iksoon Hwang

January 2005 International Journal of Network Management, Volume 15 Issue 1

Publisher: John Wiley & Sons, Inc.

Full text available: 📆 pdf(235.82 KB) Additional Information: full citation, abstract, references, index terms

Current network management needs an end-to-end overview of various flows rather than the information that is purely local to the individual devices. The typical manager-centric polling approach, however, is not suitable to understand network-wide behavior of a large-scale Internet. In this paper, we propose a new management information base (MIB) approach called Service Monitoring MIB (SM MIB). The MIB provides a network manager with dynamic end-to-end management information by utilizing special ...

18 Binaries and bit stream processing: A stream library using Erlang binaries

September 2005 Proceedings of the 2005 ACM SIGPLAN workshop on Erlang ERLANG

'05 Publisher: ACM Press

Jay Nelson

Full text available: pdf(254.76 KB) Additional Information: full citation, abstract, references, index terms

An implementation of a Stream Library for erlang is described which uses Built-In Functions (BIFs) for fast access. The approach uses binaries to represent and process stream data in high volume, high performance applications. The library is intended to assist developers dealing with communication protocols, purely textual content, formatted data records and the routing of streamed data. The new BIFs are shown to improve performance as much as 250 times over native erlang functions ...

Keywords: BIF, binary, erlang, stream

19 Wireless Andrew: building a high speed, campus-wide wireless data network

Bernard J. Bennington, Charles R. Bartel

January 2001 Mobile Networks and Applications, Volume 6 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: pdf(159.87 KB) Additional Information: full citation, references, index terms

Keywords: Andrew, WaveLAN, integration, wireless network



20 Wireless Andrew: experience building a high speed, campus-wide wireless data



network

Bernard J. Bennington, Charles R. Bartel

September 1997 Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking

Publisher: ACM Press

Full text available: pdf(1.48 MB)

Additional Information: full citation, references, citings, index terms

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